

“Casting Excellence, Redefining Stories”



Mfg. :
Leaders In Shell Mold Casting With Various Metal



ISO 9001:2015
ID 9000028518

About Us



Rishan Technocast Group has capability of manufacturing various grades of Shell Moulded Castings using hot and warm coating processes. Our plant is located in Bhunava, Rajkot, India. Plant has full fledged manufacturing as well as testing facilities.

Rishan Technocast Group is one of the leading and largest manufacturers of Shell Moulded Castings used in various types of foundries for shell moulds, & cores. The company is in the field for last Many years having a manufacturing capacity of about 300MT per month (3600 MT per year), it is one of the leading Shell Moulded Castings manufacturing company in India.

Infrastructure

FOUNDRY

- 150 And 300 Kgs Induction Furnace
- Shell Shooter (diff. Size)
- Dump Box Type Shell Moulding Machines (700 Kg Capacity)
- Tumble Type Shot Blasting Machine
- Metal Softt Make Image Analyzer (Microscope)
- Hitachi Make Spectrometer
- Utm Hgfl Digital
- Hardness Tester (BHN)
- Sand Testing Equipments
- Material Handling Cranes - 2 Mt Capacity

MACHINE SHOP WITH IATF CERTIFIED

- Vertical Machine Center - 1
- Horizontal Machining Center - 10
- 2d Digital Height Gauge - 1
- Laser Marking Machine - 1
- Hydraulic Press - 1
- Broaching Machine - 1



Material Grade We Are Produce



Cast Iron Material Grades

Country	Standard	Comparison - Equivalent Grades of Grey Iron (Grey Cast Iron)								
ISO(2004)	ISO 185/JL/	100	150	200	225	250	275	300	350	-
Australia(2007)	AS 1830	100	150	200	225	250	275	300	350	400
USA*	ASTM A48 ^a	-	150(NO.20/25)	200(NO. 30)		250(NO.35)		300(NO.45)	350(NO.50)	400(NO. 55/60)
	ASTM A126 ^a	-	CLASS A	CLASS B				CLASS C		
Germany Austria	DIN 1691	GG10	GG15	GG20		GG25		GG30	GG35	GG40
European	EN 1561	EN-GL-100	EN-GJL-150	EN-GJL-200/225		EN-GJL-250		EN-GL-300	EN-GL-350	
China	GB 9439	HT100	HT150	HT200		HT250		HT300	HT350	-
Japan	JIS G5501	FC100	FC150	FC200		FC250		FC300	FC350	-
Italy	UNI 5007	G10	G15	G20		G25		G30	G35	-
France	NG A32-101	-	FGL150	FGL200		FGL250		FGL300	FGL350	FGL400
UK ^b	BS 1452 ^a	100	150	200		250		300	350	-
India	IS 210	-	FG150	FG200		FG260		FG300	FG350	FG400
Spain	UNF	-	FG15	FG200		FG25		FG30	FG35	-
Belgium	NBN 830-01	FGG10	FGG15	FGG20		FGG25		FGG30	FGG35	FGG40
Sweden	SS 14 01	O110	O115	O120		O125		O130	O135	O140
Norway	NII 100	SJG100	SJG150	SJG200		SJG250		SJG300	SJG350	-
SAE ^c	J431 ^a	-	G9H12	G10H18	G12H21 G11H18	G11H20	G12H21 G13H19	G13H22	G13H24	

S.G Iron Material Grades

Country	Standard	Comparison - Equivalent Grades of Ductile Iron (SG Iron, Nodular Graphite Iron)								
ISO	ISO 1083/JS/	400-15/S	400-18/S	450-10/S	500-7S	500-10/S	600-3/S	700-2/S	800-2/S	900-2/S
Australia(2007)	AS 1831	400-15	400-18	450-10	500-7		600-3	700-2	800-2	900-2
USA*	ASTM A395		60-40-18	200(NO. 30)				300(NO.45)	350(NO.50)	
	ASTM A536			60-42-10/ 65-45-12	70-50-05		80-60-03/ 80-55-06	100-70-03	120-90-02	-
Germany Austria	DIN 1693	GGG40		-	GGG50		GGG60	GGG70	GGG80	-
European	EN 1563	EN-GJS-400-15	EN-GJS-400-18	EN-GJS-450-10	EN-GJS-500-7		EN-GJS-600-3	EN-GJS-700-2	EN-GJS-800-2	EN-GJS-900-2
China	GB 1348		QT400-18	QT450-10	QT500-7		QT600-3	QT700-2	QT800-2	QT900-2
Japan	JIS G5502	FCD400		FCD450	FCD500		FCD600	FCD700	FCD800	-
Italy	UNI 4544	GS370-17		GS400-12	GS500-7		GS600-2	GS700-2	GS800-2	-
France	NF A32-201	FGS370-17		FGS400-12	FGS500-7		FGS600-2	FGS700-2	FGS800-2	-
UK	BS 2789 ^d	400/17		420/12	500/7		600/7	700/2	800/2	900/2
India	IS 1865	SG370/17		SG400/12	SG500/7		SG600/3	SG700/2	SG800/2	-
Spain	UNF	FGE38-17		FGE42-12	FGE50-7		FGE60-2	FGE70-2	FGE80-2	-
Belgium	NBN 830-02	FNG38-17		FNG42-12	FNG50-7		FNG60-2	FNG70-2	FNG80-2	-
Sweden	SS 14 07	0717-02		-	0727-02	SS 140725	0732-03	0737-01	0864-03	-
Norway	NS11 301	SJK-400.3 SJK-400		-	SJK-500		SJK-600	SJK-700	SJK-800	-

ADI Casting Material Grades

Mechanical Properties measured on test pieces from separately cast samples.				
Material Symbol	Number	Tensile Strength N/mm2 (min)	0.2% Proof Stress N/mm2 (min)	Elongation % (min)
EN-GJS-800-8	EN-JS1100	800	500	8
EN-GJS-1000-5	EN-JS1110	1000	700	5
EN-GJS-1200-2	EN-JS1120	1200	850	2
EN-GJS-1400-1	EN-JS1130	1400	1100	1

Refer To Relevaint Standard For Full Details



LEADERS IN SHELL MOLD CASTING WITH VARIOUS METAL

**“Casting Excellence,
Redefining Stories”**

Product Range





Rishan Technocast

 Survey no. 18/2, Plot no. 1/1, Meet Industrial Park,
Bhunava Road, Behind Narmadeshwar Mahadev Temple,
Village-Bhunava, Taluko-Gondal, District Rajkot (360311).

 +91 98248 70008
 +91 80556 75678
 rishantechnocast@gmail.com
 sales@rishantechnocast.com
 www.rishantechnocast.com